



## VOLUNTARY REMEDIATION PROGRAM DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

### PROJECT SUMMARY

<b>Site Name:</b>	Lawrenceburg Gas Company
<b>Applicant's Name:</b>	Lawrenceburg Gas Company
<b>Site Location:</b>	336 Second Street Lawrenceburg Dearborn County
<b>VRP Site Number:</b>	6941101
<b>Project Manager:</b>	Ed Joniskan
<b>Date Application Received:</b>	November, 1994
<b>Date Project Completed:</b>	November, 1996
<b>Project Duration:</b>	2 years
<b>Contaminant Group(s):</b>	Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Metals, Cyanide
<b>Media Cleaned Up:</b>	Subsurface Soil
<b>Cleanup Goals Achieved:</b>	Tier III Nonresidential
<b>Deed/Land Use Restrictions:</b>	Nonresidential

**Project Description:** This facility is the site of a former manufactured gas plant (MGP) which manufactured coal gas from approximately 1885 until at least 1938. The site is less than one-half acre in size.

During demolition of old site buildings, workers discovered what appeared to be a coal tar storage pit buried under one of the concrete floors. Coal tar was a by-product of the coal distillation process and historically was sold as a raw material for other manufacturing purposes. However, some of it was sometimes stored or disposed of in shallow pits.

A site investigation included collecting subsurface soil and groundwater samples, and excavating test pits. Several soil samples exhibited concentrations above the Tier II standards. The groundwater samples did not indicate the presence of any target compound above Tier II standards.

The site cleanup approach was to: (1) remove the main source material (coal tar); (2) develop site

specific Tier III criteria for soil constituents that exceeded the Tier II Criteria; (3) cover the site completely with an asphalt cap; (4) place a deed restriction on the property preventing future residential use; and (5) monitor groundwater for one year following the site remediation. The targeted coal tar was excavated and stabilized with fly ash. The structure containing the coal tar was discovered to be lined with brick on the bottom and sides. A brick liner and the surrounding soils were removed. All wastes were sent to a hazardous waste landfill.

Site restoration included backfilling the excavation area, paving the site with asphalt, and reinstalling the site chain link fence.